Reference to last Measurement 8

M. A. R. 57 (Rule 116)
Measurement Book

Job code: 005-20-000089
No. E Est cost: 150 lakhs
535702

Serial No. .....
Name of work Drilling of Borewell and providing pump & motor and laying pipe line at Vinayakanagara Dwaraka nagara Kathigenahalli surrounding area in ward no. 198 Byatarayanapura From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work Order: BBMP/EE/BTP/WO/124/2020-21 Dt 01/10/2020 Head of Account: P3293 14th Finance Contractor:- M/s Kranthi Electricals prop. Sri. H.V. Nagaraj (1) Geophysical investigation & site for sinking borewell for supplying drinking water to the habitation either through the hand pump Mws or P.W.Ss by vertical electrical sounding by adopting Verner or Schlumberger method including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	reconnaissance survey of geological sounding by adopting formation of ebological investigation of existing ground water in vicinity in its quality, quantity & acceptability of the users including the location of site recended depth of casing pipe requires to seal the top unconsolidated formation including an extra depth of 1 mtr in consolidated formation for proper seating of casing pipes depth of drilling required to cover full depth of aquifer proposed to be tapped. probable yield and there information requires including transportation of instrument						

Serial No. .....
Name of work .....
Name of Contractor
Date of commencem

Date	Full des
1	
	& ac
(2)	Sml Super 900 cr burd Colla & wo Supp
	cons test

M. A. R. 57 (Rule 116) No. E 535703
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
	& auctories to work site etc complete @ Rate 3938/each				Qty = 14 00 = 55132=00	
(2)	Sinking of borewells of 165 mm dia clear using super fast hydralic rig of capacity 250 psig & above 900 CMP & above in all strata including Over burdem upto 20mm fixing & casing Pipes collars & cap with necessary Cutting threading & welding including transportation of rig and supporting Vehicale, Crew Charges & cost of consumable etc complete including yield testing at the final depth with mist working					

Reference to last Measurement 8

ical Sounding
al investigation
vicinity if
y of the users
econded depth
seal the top
luding an
olidates
g of casing
to cover
ed to be
ore information
of instrument

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of Compressor for one hour 0 to 50m qty is from pre measurement sheet.						
			0 — 50 m				700 Rmt
			@ Rate 362/Rmt			=	253400=00
(3)	Sinking of borewell from 50 — 100m					=	700 Rmt
			@ Rate 462/Rmt			=	323400=00
(4)	Sinking of borewell from 100 — 150 m					=	700 Rmt
			@ Rate 476/Rmt			=	333200=00
(5)	Sinking of borewell from 150 — 200m					=	700 Rmt
			@ Rate 560/Rmt			=	392000=00

Serial No. .....
Name of work .....
Name of Contractor of nature of Ag
Date of commencement of work....

Date	Full description, etc, of w
1	2
(6)	Sinking o
(7)	Sinking o
(8)	Sinking o
(9)	Sinking o

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535704

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(6) Sinking of borewell from 200 to 250m @ Rate 662/Rmt					= 700 Rmt = 463400=00	
	(7) Sinking of bore well from 250 to 300m @ Rate 731/Rmt					= 700 Rmt = 511700=00	
	(8) Sinking of bore well from 300 to 350m @ Rate 862/Rmt					= 700 Rmt = 603400=00	
	(9) Sinking of bore well from 350 to 400m @ Rate 940/Rmt					= 680 Rmt = 639200=00	

Reference to last Measurement 8
50m
700 Rmt = 253400=00
700 Rmt = 323400=00
700 Rmt = 333200=00
700 Rmt = 392000=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(10)	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded tube materials confirming to IS 1387/1993 & manufactured from hot rolled steel sheet/strips in random length of 4 to 7 mtr bolk ends threaded confirming to IS 554/1985 one end						
	@ Rate 1440/Rmt					A - 835.00 Rmt = 1202400=00	
(11)	Providing & fixing 250 mm dia pvc pipe as per specification & directions of Engineer in charge of work						

Serial No. .....
Name of work .....
Name of Contractor of nature
Date of commencement of w

Date	Full description, e
1	2
(12)	175 m... Engineer
(13)	M.S C... Engineer

nts	Reference to last Measurement 8
	nal bore medium de black electric/ le steel tube 1993 & manufactu / stripes in random reeds confirming
-	835.00 Rmt = 1202400=00
ia	pvc pipe &
&	Engineer

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535705

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	@ Rate 1153/Rmt					Qty - 140 Rmt	= 165620=00
(12)	175 mm dia M.S casing cap and Engineer incharge & work @ Rate 107/Each					Qty - 1400	Directions & = 1498=00
(13)	M.S casing pipe collars 'C' class & direction & Engineer incharge & works @ Rate 161/each					Qty - 140 NO	= 22540=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	Fabricating supplying & mounting MS box of 16 swg suitable for floor/wall mounting fully weather proof with provision for better hear description providing with hinged front cover equipped with tamper proof locking arrangement with suitable size clamps with necessary cable entry pipe with gland & box should be finished 2 coats of red oxide primer painted finally finished with approved color etc complete						
						Qty. =	308000.0 Sq Cm 10780000

Serial No. .....
Name of work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc,
1	2
(15)	Labour ch pumpset a and direc
(16)	Erection with all providing.

Reference to last Measurement 8
MS box of covering fully after hear d- cover equipped ments with ssary cable be finished nd finally complete
308000.0 Sq Cm
= 107800=00

M. A. R. 57 (Rule 116) No. E 535706

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
15	Labour charges for erection of new/repaired Submersible pumpset along with GI pipes cable and fittings & Engineer @ Rate 94/L					including transportation incharges & work Qty- 825 L = 77550=00	
16	Erection of Combined panel with all necessary materials & providing CC 1:3:6 foundation bed @ Rate 496/each					board meter board Labour including etc complete Qty- 14 No = 6944=00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(17)	Supplying & fixing of porclain fuse will cutout on existing wooden/panel using necessary nuts bolts & washer etc complete @ Rate 156/each					Qty- 42 NO = 6552=00	
(18)	Supplying and laying of 4 C.T.V.C cable having aluminium conductor pvc insulated sheathed galvanised steel wire/steel tape armoured cable with pvc outer Sheathing 1.1 kV class 4 core 16 mm² cable & direction of Engineer incharge of work @ Rate 177/mtr.					Qty- 528 mtr = 93456=00	

Date	Full description, etc, of work
1	2
(19)	Digging & the trench etc compl
(20)	Supplying & crossing with cable of 1.1

Serial No. .....
Name of work .....
Name of Contractor of nature of Agen
Date of commencement of work.....

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535707

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Reference to last Measurement 8	Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
will cut out necessary nuts 42 NO 6552=00 le having shelled galva wires cable with core 16mm² harge of work 52 Rmtr 93456=00	(19)	Digging of trenches of 0.6mtr x 0.20 mtr wide refilling the trench to the required ground level & consolidating etc complete. @ Rate 89/Rmtr					Qty- 525 mtr = 46992=00	
	(20)	Supplying & fixing class-A GI pipes on pole/wall/drain crossing with necessary arrangements for UG cable of 1.1KV class 40mm & directions etc complete @ Rate 307/Rmtr					Qty- 42 Rmtr = 12894=00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(21)	Supplying & fixing wiring earth electrode for grounding conduited. DC cutouts, and other equipment on the meter board using 40mm dia 2.90mm thick CI pipes 2.5 mtr long buried in a pit/the pit should be filled with equal proportion of salt & Charcoal 150mm around the pipe to complete depth the connections from the pipe to the conduite etc is to be established through GI wire & size as per ISI specification 7.3.17 & 81732 using 12mm dia bolt nuts washer & Chocknuts etc complete					Qty - 14 NO	
						@ Rate 2849/each	= 39886-00

Serial No. .....
Name of work .....
Name of Contract
Date of commenc

Date	Full d
1	
(22)	Supp class new
(23)	Su & w with fixin

Reference to last Measurement
8
rode for grandy
Equipment on
...ing Hill
pit should be
read 150mm.
connections
be established
ification
uts washer
14 NO
= 3988-00

M. A. R. 57 (Rule 116) No. E 535708
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(22)	Supply & fixing L.T cast iron pot heads suitable for 1.1/2 class 16 mm² Al cable filled with necessary bitumen/ insulating compound etc complete @ Rate 292/ each					Qty- 14 No = 4088=00	
(23)	Supplying & fixing of polished wood board made of not less than 15 mm thick planed on both sides with planes made out of not more than 2 pieces & fixing the same to wall using tapered inverted wooden plugs screws etc size 20x20x2 cm etc						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	& Direction & Engineer incharge of work @ Rate 325/each					Qty- 14 NO = 4550=00	
(24)	Borewell cap & clamp fixed & direction of Engineer incharge of work. @ Rate 1881/each					Qty- 14 NO = 26334=00	
(25)	Supply & delivery at site brand new texmo/mono make suitable HP deep well submersible pumpset suitable for vle installation in 150mm dia borewells comprising of single stage or multistage CF pump close cupled by means						

Serial No. .....
Name of work .....
Name of Contractor of nature of A
Date of commencement of work...

Date	Full description, etc, of
1	2
	of stainless speed totall water squir suitable I.T.
(26)	Supply & suitable vle instalati

Contents 7	Reference to last Measurement 8
ge of woork	
Qty- 14NO	
= 4550=00	
rections of	
Qty- 14NO	
= 26334=00	
new texmo/mono	
Submercible	
stallation in 150mm	
Single stage or	
Cupled by means	

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535709

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	of steinless steel coupling to suitable HP Suitable speed totally enclosed & filled with pure drinking water squirrel cage submercible induction motor Suitable for operation						
	17.50 HP 20 stage					Qty- 4 NO	
	@ Rate 7537/ each					= 30148=00	
(26)	Supply & delivery at site brand new texmo make Suitable HP submercible pump set Suitable for vle instalation in 150 dia borewell comprising of single						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Stage or multistage C/F pump close coupled by means of stainless steel coupling to suitable HP Suitable speed etc complete						
	20 HP 40 Stage					Qty = 5.000	
	@ Rate 94671/each					= 473355=00	
(27)	Supply & delivery at site brand new texmo make Suitable HP deep well Submersible pumpset for the installation in 150 dia borewell comprising of single stage or multistage to Suitable HP Suitable speed totally enclosed & filled with						

Serial No. .....
Name of work .....
Name of Contractor of na
Date of commencement o

Date	Full descriptio
1	2
	pure
(28)	provid Specific as colla Cute th wherev & Lift

M. A. R. 57 (Rule 116) No. E 535710
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	pure drinking water Squirrel etc Complete 2 HP 50 Stage Qty - 5 NO @ Rate 131332.00/each = 656660=00						
(28)	providing laying & Jointing GI pipes conforming to IS Specification & Approved make with fittings such as collars bends elbows tees nipples plugs with Cut threads using white lead & threads for Joints wherever necessary as per direction including & lead & Lift etc complete @ Rate 433/Rmt					Qty - 4950 Rmts = 2143350=00	

Reference to last Measurement
8

Coupled by
Suitable HP

= 5.000
= 473355=00

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compressing
itable HP
lles with

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(29) Supply & fixing Collars for GI pipes 50m.m & direction of Engineer in Charge @ Rate 188/each					Qty- 811No = 152468=00	
	(30) Supplying & Submersible pump Cable 1x3x6.0 sq.mm & direction of Engineer in Charge @ Rate 150/mtr					Qty- 10327 mtr = 1549050=00	
	(31) Supplying & delivery at site Cotas Siemsines IQ1 Controle best					brand new/Esley indigenous	

Serial No. .....
Name of work .....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, etc
1	2
	make Unit of strong & two dete 50 Hz 380/ each lock inside el
	(32) Supplyin & direction

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including Painting of approved type with all labour & Lift charges handling charges including cost of all materials etc complete.						
	@ Rate 412/mtr					Qty- 3812 mtr	
						= 1570544=00	
37	Refilling available earth around pipe lines cables in layers not exceeding 20 cms in depth compacting each other deposited layers by ramming after watering with lead upto 50m & Lift upto 1.5m including cost of all labour etc complete						
	@ Rate 134/m³					Qty- 1715 m³	
						= 229864=00	

Serial No. .....
Name of work .....
Name of Contractor of na
Date of commencement

Date	Full descripti
1	2
38	Besco
	T

ents	Reference to last Measurement 8
with all labour	
uding cost of	
- 3812 mtr	
= 1570544=00	
Cores cables in	
ph Compacting	
ramming after	
n & Lift up to 1.5m	
lt complete	
Qty - 1715 m	
= 229864=00	

M. A. R. 57 (Rule 116) No. E 535713
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(38) Bescom deposite					2458053=00	
	Total of other SR items including GST unit Rate					5616405=00	
	Total of PWD SR 2018-19 Item =					8043964=00	
	Total					13660369=00	
	Add 12% GST for only PWD SR Items					965276=00	
	Grand total =					14625645=00	
						14625000	

C/FC 25/11/2020
25/11/2020
20-5-21

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) It is certified that the above work done satisfactorially. (2) The above Bill Amount is not Claimed any of privious Bill.						

25/11/2020

25/11/2020

Serial No. .....
Name of work .....
Name of Contractor of na
Date of commencement

Date	Full descripti
1	2
Yalahanka	NH7 2nd I st Main 2nd Main 3rd Main Bore Well.

Reference to last Measurement 8
e work done
not Claimed

M. A. R. 57 (Rule 116) No. E 535714

Measurement Book

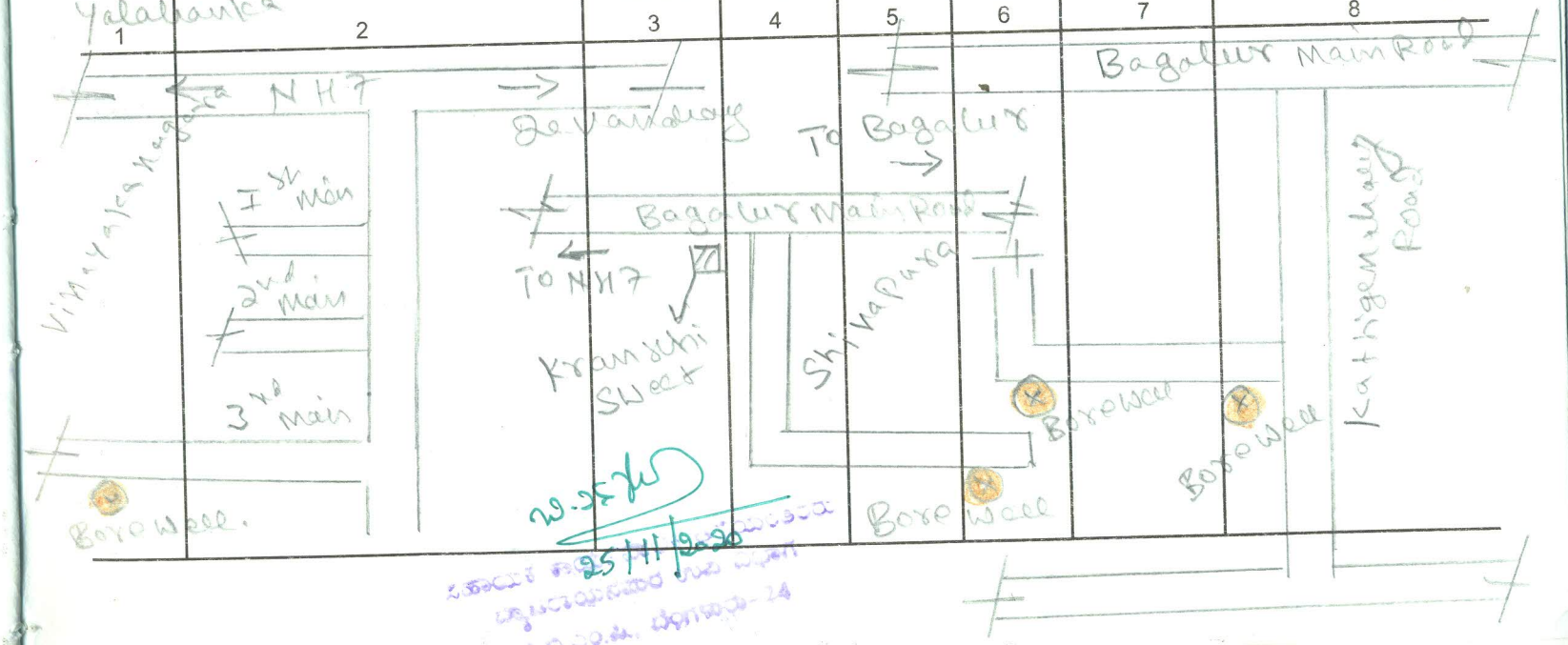
Serial No. .....

Name of work ..... From ..... To .....

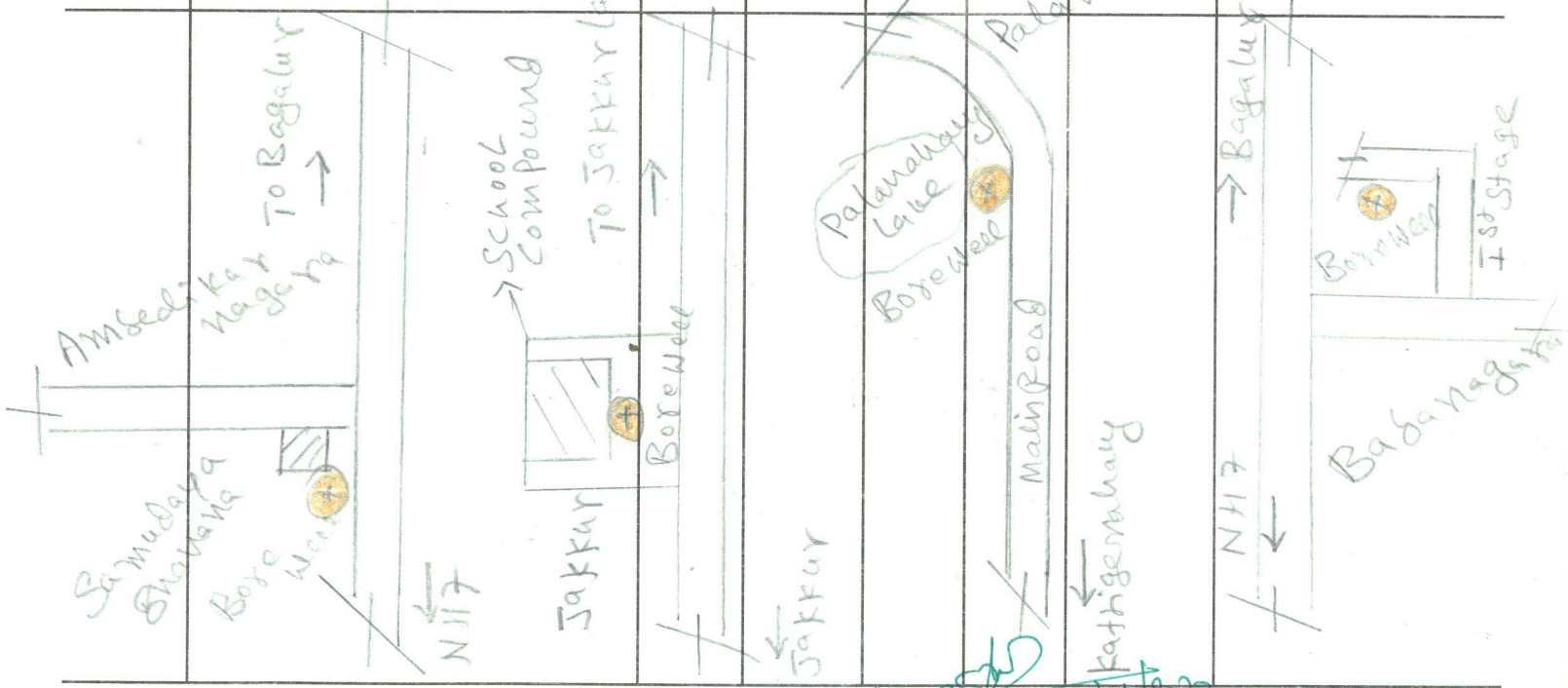
Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Yalahanka							



MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							

Serial No. .....

Name of work .....

Name of Contractor of nature of

Date of commencement of work

Date	Full description, etc,
1	2

Reference to last Measurement 8
→ Bagalur
NH7
Borewell
1st Stage
Balaganahalli

M. A. R. 57 (Rule 116) No. E

Measurement Book

535715

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

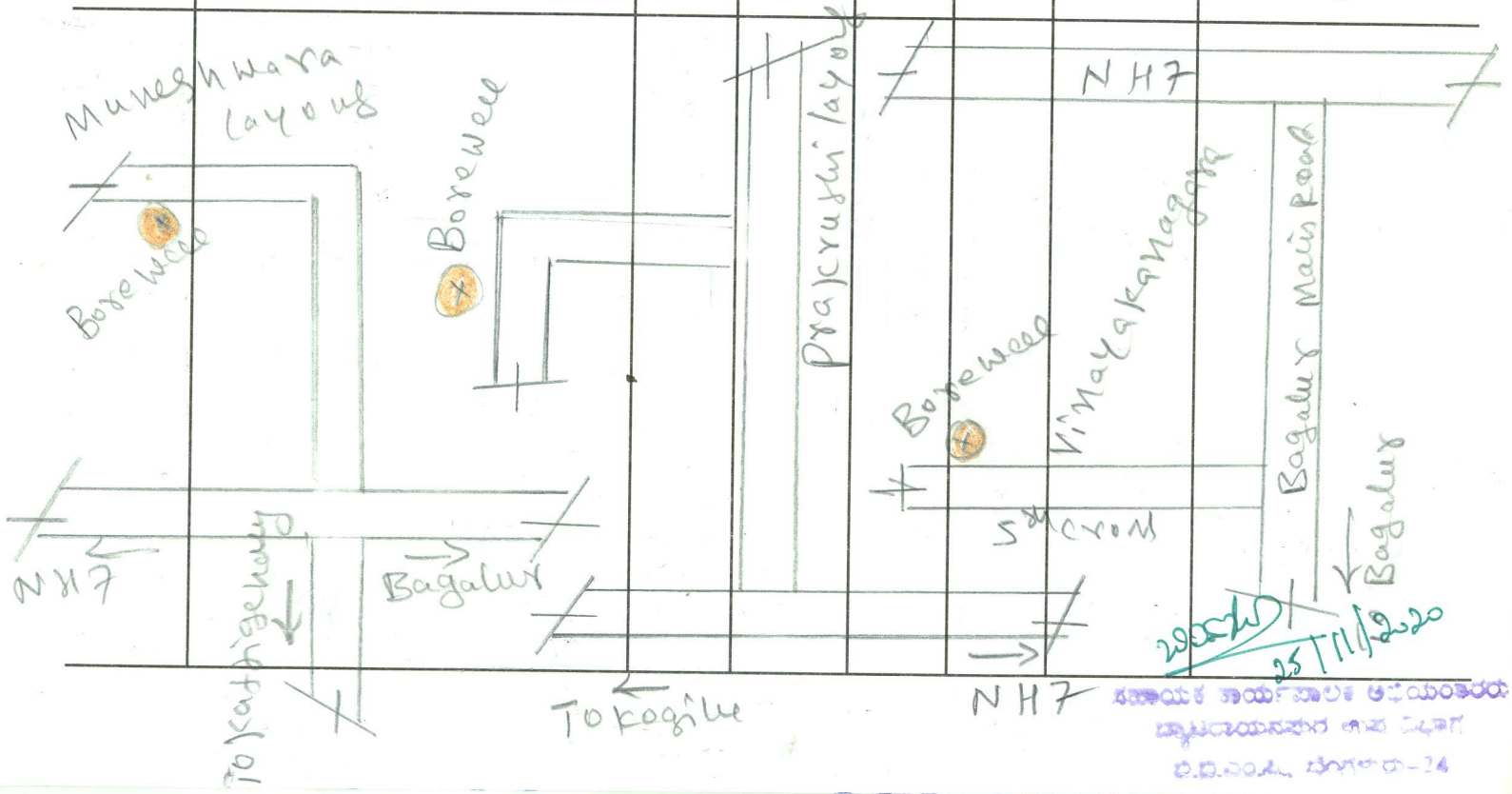
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	To Sampigehalli Balaji layout 1st Main To Ayyappa layout To Agrahara layout To Kempegowda layout To Palanahalli To NH7 Kogilu Main Road To Sampigehalli To Kogilu To Kathigenahalli						

2055 25/11/2020

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Feb/March

1st & Final

.....

ork .....

ntractor of nature of Ag

mencement of work....

Date	Full description, etc, of w
1	2
	P 3293 14th Fi
	14625000/-
	568300/-
	14056700/-
	FT/NEFT/RTGS ...
ಚೆಸ್ಕಾ ವಿಭಾಗ ನಿರ್ವಾಹಕರು 20/4/21	... ವೃತ್ತ ವೃತ್ತ ಚೆಸ್ಕಾ, ಬೆಂಗಳೂರು

Feb
March

1st & Final.

M. A. R. 57 (Rule 116)
Measurement Book

No. E 535716

.....

...ork ..... From ..... To .....

...ntractor of nature of Agency.....

...mencement of work.....

Date	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	P 3293 14th Finance Commission Works		TTB	14625000			
	14625000/- ಮಂಜೂರಾದ ಮೊತ್ತ		I+	146250			
	568300/- ಠೇವಣಿ ಹಿಂದಿರುಗಿಸಿದ್ದಕ್ಕೆ		CGST	130581			
	14056700/- ನಗದು ಪಾವತಿ		SGST	130581			
			Cess	146250			
			CBIC	14638			
			Ded:	568300			
			Cheque	14056700			

FT/NEFT/RTGS ಮೂಲಕ ಪಾವತಿಸಲು ಅನುಮೋದನೆ

ಬೆಸ್ಕಾಂ ವಿಷಯ
ನಿರ್ವಾಹಕರು
20/4/21

ವಿದ್ಯುಚ್ಛಕ್ತಿ ವಿಭಾಗ
ಬೃ.ಚೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು

25/4

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುದ್ದೀಪ ವಿಭಾಗ
ಬೃ.ಚೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು

Bagalur Main Road

Bagalur

25/11/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುದ್ದೀಪ ವಿಭಾಗ
ಬ.ಬ.ಪಾ.ಸಂ. ಬೆಂಗಳೂರು-14